Rurales Fine Body of Fighters and Loyal to the Government.

ARMY AND NAVAL EQUIPMENT MODERN

Mexico City, Mex., Dec. 3 .- The Mexiresult of the insurrectionary disturbances, is a force capable of crushing any ordinary outbreak. Disloyalty on the part of at least a portion of the army would be necessary to make any insurrection movement in Mexico a suc-

In the 30 years that Porfirio Diaz has been enforcing peace in Mexico he has been preparing for war. In the promotion of railroad construction, the encouragement of agriculture, mining and manufacturing, the establishment of schools and the improvement of har-bors, the question of national defence has not been forgotten. Starting with the disorganized troops that placed him in power in 1876, and those that opposed them, he has built up an army of 27,000 men-an army well fed, well clothed, well equipped and well offi-cered. Crediting the county with a population of 15,000,000, Mexico now has a soldier to every 555 inhabitants.

At the present time the armed men of Mexico are not confined to the regular army. In fact, those constantly carrying arms and possessing knowledge of military organization and discipline, outside the army, almost equal in number the regular troops. They form what is known as the first army reserve, and include state police organizations, the rurales and the fiscal

guards, in all over 20,000 men The Picturesque Rurales.

The rurales of Mexico constitute one of the world's most picturesque cavalry bodies. Lasy are splendid horsemen, expert in the use of the carbine and pistol, and are the best paid fighting men in the service of the Mexican government. They number 3500, The rurales are under the supervision of the interior department,

mountain trails in many tions of the republic. The fiscal guards, numbering 4000 mounted men, are connected with the customs houses of the country. The police of the various states are divided into infantry and and sabers. Their arms are far inferior to those of the regular army,

The present military law of Mexico, which was promulgated in 1900 for the reorganization of the army, specifies that a second army reserve shall be formed by militia organized by the various states of the union. However, up to this time, not a single Mexican state has made a move in the direction of a militia organization. For the equipment of an additional fighting force the Mexican government has now in the national arsenal here rifles, carbines and sabres sufficient for an army of 100,000 men. Modeled on German and French Armies.

Germany and France have supplied the models for Mexico in the construction of its standing army. Mexican of-ficers have served as attaches to German and French staffs, and the knowledge they have gained has been used to advantage in this republic. The ons in tactics taught the Mexican soldlers are translations, to a great extent, of those studied by the soldlers of Germany. Some of the Mexican army regulations correspond to those of Spain and others have been borrowed from Germany and France.

In Mexico, muitary service is obligatory, a law making it so having been published in 1898. However, the fact has no significance to the law-abiding and occupied citizen. The regular soldier of Mexico is the Mexican of the lower class. In the majority of cases his enlistment is not voluntary and is the result of a misdemeanor. There are but few volunteers in the army of Mexico, and the peace officers supply the majority of the men enlisted. When soldiers are needed they are taken from the ranks of those who persist in breaking police regulations, either by intemperance or the commission of minor criminal offences. The term of enlistis five years, and the human transformation frequently resulting is one of the really commendable features of the Mexican army. The men leave includes all troops in the federal dis-

to Conquer the Soft Coal Smoke Evil.

SAYS IT WILL CUT DOWN FUEL EXPENSE

All cities which approach the metro-El Paso uses bituminous coal and El Paso is smoky at times.

buildings and the crowded streets must naturally notice the haze of smoke that hangs like a pall over the city on dull

days. Even when the sun is bright and the air is clear the smoke casts a shadow over the plaza and the lower portions The reason is soft coal. The remedy is what? One El Pasoan, Dr. O. S. Dawson, who has invented as many different sorts of commercial contrivances as he has fingers and toes, claims that he has a remedy. Moreover, he further claims that it is an invention that will benefit the persons

Is a Simple Affair The invention is a simple little confurnace and by use of a fan, force hot air into the fire box. This causes greater heat within the fire box and consequently causes greater combustion in the fire box.

The pipes become red hot and heat the gases in the furnace and the extraoustion causes the consumption of all hydro carbon, carbon monaxide and

Saves Fuel Expense.

one-fifth of the fuel placed in the fire ritory. box is not consumed. This is because of the cold air blasts used. If the hot blast is used, one-fifth of the fuel which is not unconsumed and goes into inaccessible hightways and Moreover, the top of the chimney suburbs. Six battalions of infantry, should be as clean as the top of a lamp chimney which has been properly clean-I have tested the system and find it will do that which I claim for it."

cavalry forces, and are armed, respec-tively, with rifles and with carbines for law and order and in the majority for law and order, and, in the majority of cases, a much better education. are maintained in connection with all barracks, and the enlisted men are instructed in reading, writing and arithmetic

The Regular Army.

The regular army of Mexico is com-posed of 28 battalions of infantry, one battalion of sappers and miners, 14 reg-iments of cavalry and 20 batteries of artillery. The infantry are armed with Mauser rifles of the Spanish model, manufactured in Germany. The arms of the cavalry consist of Mauser carbines, of the same model as the rifles, sabers manufactured after French model in the national arms factory in this capital, The artillerymen also carry Mauser carbines. The guns of the artillery consist principally of Bange, Schneider-Canet and Mondragon-Saint Chamond patterns, all of French manufacture. The Mondragon Chamond gun is the invention of Gen. Manuel Mondragon of the Mexican army, and is built in the Saint Chamond factory in France. The Chamond Schneider-Canet cannon are the product of the Creusot factory, and bydro-pneumatic breech closing forms a particular feature of their construction. In addition to field and mountain pieces. there are many rapid-fire guns.

the Mexican army there is a long practice march once each year, and target shooting tournaments are held fantry receives \$7 a day; lieutenant at frequent intervals. The infantry colone; \$4.80; major, \$4.25, first captain, practice with the rifle up to 1000 meters or 3280 feet, and the cavalry and | tenant, \$2.55, and second lleutenant, artillery practice with the carbine up to 800 meters, or 2624 feet. The range of the Mauser equipment is 1800 me ters, or 5905 feet. Mexican officers estimate that 40 percent of the Mexican \$4.45; first captain, \$3.55; second capsoldiers are excellent marksmen,

Ten Military Zones. For military purposes Mexico is di-vided into ten zones, or districts, with three commandancias militares, or in dependent military commands. One

city must grow to the northeast gain- \$50,000 ed additional support today when it Hadlock in this city shows again the the F. B. Hadlock Realty company, of Denver, Colo, and Boise, Idaho, had purchased through the Newman Intestment company eight whole blocks.

The Messrs. Hadlock had not been in El Paso for nearly three years until through the Newman Intestment company eight whole blocks.

The Messrs. Hadlock had not been in El Paso for nearly three years until through the payment of double fare. The Messrs in overalls who insist upon cuditive or thrice that amount sure your assault numblested.

The well established fact that the property was in the neighborhood of

was learned that Frank B. Hadlock in this city shows again the faith which those thoroughly posted on the real estate situation through-

-400 lots in the Grand View addition, with the object, it is stated of building thereon a number of hand-with its remarkable growth as well as some residences which will be placed that of Grand View addition, which things legal and e on sale as soon as completed. It is was only being opened up about the right nor proper. understood that the price paid for the time they were here last,

Dr. Dawson Invents Device Many People See Its Products Exhibited at Chicago Land Show.

MESILLA VALLEY WELL REPRESENTED

Las Cruces, N. M., Dec. 3 .- A letcan army, now in the limelight as the politan stage must contend with the ter from professor Fabian Garcia, head smoke evil and this is especially true of the horticultural department at the where bituminous coal is the fuel used, New Mexico Agricultural college, who is now in Chicago as one of the New Mexico delegates at the United States in the early morning, or just at dusk, the resident of the Highlands who is wont to gaze back on the tall buildings and the crowded on the tall most comprehensive exhibit, in fact, the New Mexico booth attracting larger crowds than any other.

On two occasions it was found necessary to close the doors as the Coliseum could not hold any more people, over 20,000 people being admitted on these

Aside from answering questions the New Mexico men give from one to two lectures a day on New Mexico in the lectures a day on New Mexico in the large lecture room. The attendance at these lectures is very large and all present pay close and earnest attention to what is being said.

Carlsbad, Roswell, Portales, Fort Sumner, Las Vegas, Santa Fe, Deming, Albuquerque, Colfax county, the Chama valley and the Mexilla valley.

The invention is a simple little contrivance of pipes which fit into the furnace and by use of a fan, force hot air into the fire box. This causes Albuquerque and vicinity is well represented with grains and vegetables.

H. B. Hening and Stroup, of Albuquerque, have added a very attractive feature to the New Mexico booth giving away of a large Navajo

blanket each day.
Altogether, New Mexico is getting an advertisement that is expected to result in much good and be the means "Under the old system," says Dr. of bringing quite a number of north-awson, "there are instances where ern and eastern investors into the ter-

> irict. The federal district of Mexico unconsumed and goes into corresponds to the District of Colum-gases, would be saved, bia, including the national capital and three regiments of cavalry and the entire artillery force are usually quartered in the federal district. The gulf military command, as is the Pacific port of Acapulco. At the headquarters of each of the ten military zones large bodies of troops are quartered, and smaller bodies are stationed at convenient places within the zone's boun-

> > Contrary to the impression naturally resulting from the lack of volunteers in the army of Mexico, the life of the Mexican soldier is not hard. The government provides him suitable clothing, substantial food and satisfactory quar-His health is looked after by competent physicians attached to each battalion and regiment, and military hospitals, conducted on modern lines, are maintained for his benefit in 14 cities of the republic. In the infantry ne receives 35 cents, Mexican currency, a day, and in the cavalry and artillery 44 cents a day. Pay of Officers.

The Mexican army now includes 3259 commissioned officers. The ranking officers of the army are the generals of division; the second in rank are the generals of brigades and the third the brigadier generals. The other commissions are those of colonel, lieutenant colonel ,major, first and second captain, and first and second Heutenant. Eight generals of division, 54 generals of brigade, and 47 brigadier generals are in active service. The pay of a general of division in active service is \$16.44. Mexican currency, a day, and that of a general of brigade and a brigadier general \$12.33 daily. A colonel of in-\$3,20; second captain, \$2,90; first lieu-The pay in the cavalry and artillery is somewhat higher. A colonel of cavalry or artfliery receives \$7,60 daily: lieutenant colonel, \$5.12: major, tain, \$3.15; first lieutenant, \$2.65, and second lieutenant, \$2.45.

About one-third of the present officers of the Mexican army are graduates of Chapultepec Military academy. the "West Point" of Mexico. The remaining officers are veterans of past campaigns and men who have risen from the ranks. The Mexican military academy was established in Veracruz fn 1824, soon after the independence of Mexico became an accomplished fact, and several years later it was moved to the Mexican capital. From the time (Continued on Next Page.)

May you, by the payment of the

By the simple laws of property this

things legal and electrical, it is neither

WILL BE CONSUMED ON ALL SHIPS IS FUEL OF FUTUR

BOB EVANS SAYS OIL

New Home For El Paso Beavers;

Second Floor Of The Herald Building

New York, Dec. 3 .- With his restora- | new Interest in business, and a two The gulf | tion to health, admiral Robley D. Evmonths motor tour of the Pacific coast. port of Veracruz is under independent ans announces that after 40 years of life at sea on the bridges of battleships, he will henceforth live on land and take up his residence in New York The admiral will divide his time between the east and California, where he has large financial interests. The fact that the admiral has en-

tered upoh a business career will come as a surprise to many-for "Fighting



ADMIRAL EVANS.

Bob" has "come back." Two years ago reduction in the number of accidents when he guided the Atlantic squadron in the navy. A larger percentage of to the Pacific on its famous globe- the accidents than is generally known with crutches, and later he was unable to get about at all. Today admiral Evans looks 20 years younger. He has grappled with his old foe, able objection-coal supply-to rheumatism, and conquered it and is restored to the good health he enjoyed | battleships in Pacific waters. years ago.

In the Street Cars, So Don't Kick

You Can Buy Rides But Not Seats

ers in overalls who insist upon cud- twice or thrice that amount would in-

where he spent much of his time sleeping out of doors and roughing it. "I am a business man now," he said smilingly, "and oil is my business.

studied it for many years before leav-ing the navy and it is the only thing I know anything about away from battleship. It has done me oceans of good to find something to do and to do it. A few months ago I was able to throw away my crutches and the past few weeks I have been able to do without a cane most of the time and could do without it entirely if it were not for some old wounds I got in my legs in the civil war. This business life has got me in bully shape. I would rather be a live business man than a dead admiral.

Oil as Fuel.

"Oil is the fuel of the future and one of the signs that our navy is keeping abreast of the times is that it is rapidly converting its ships into oil burnwill be pleased to talk the proposition

"Burn coal and you cannot get near enough to your enemy if his vessel is as fast as yours to take a shot at him. The smoke gives you away... Even were coal equally abundant, oil would supplant it as a fuel for steamships. Weight for weight, oil gives 10 heat units to 7½ for coal and there is an immense saving in storage space and expense of disposing of ashes. Remember that last week. warships when in foreign ports must pay handsomely for having their ashes carried out to sea and dumped by lighters.

Great Saving.

"The saving in labor alone to the United States navy would be enormous, for one stoker will do the work of 20 when off is used instead of coal. If I were to say how great I think the money saving would be, the newspapers would think that I had lost my Furthermore, there would be a great

the accidents than is generally known girdling trip, he was only able to walk are due to explosions in the coal bunkers, resulting from the ignition of coal

"Oil fuel will remove the only tenmaintenance of a formidable fleet of "Our country, with its great petrol-Admiral Evans attributes this to his eum fields, will produce enough oil to

If you can buy one seat in a street | by the executive staff of the street | the corner vender. Not much you are car for 5 cents, American money, can railway company sitting in executive not. What you are paying for and all you buy two for 10 cents and have a session. Most decidedly you cannot you are paying for is the privilege of have two seats for a dime, nor can you riding on the car. If there is a seat have the exclusive privilege of enjoying a whole seat or any part of it by self against any persistent strap hang. the payment of double fare. Not even

s none, you get none. Seems strange. One and one make wo, be it fares or frijoles. Not on a street car. You buy as much atmos-Herein enters the legal aspect of the phere when you board a car as you can dam work, he simple laws of property this common carrier business. When you occupy with your length and breadth, reasonable. But like other blythely mount the steps of a prepay- No more and no less. The seats are ment car, pay your nickle to the con- not sold you and the only way you ductor, you are not purchasing a seat can occupy one is to acquire it by Such a decision has been reversed as you might a sack of popcorn from right of eminent domain,

Will Occupy 4000 Square

Feet in the Herald Building, in Heart of City.

FACE PLAZA AND SAN FRANCISCO ST.

Close Lease and Work Will Start at Once on Remodeling the Place.

Although but a month old, the Eb Paso dam of Beavers No. 78 has already made arrangements for a permanent home, and within two months after its formation, the dam will be in its own club rooms. This is a record breaker for such an organization. many lodges of a similar character having existed for years without a home or even a meeting place to call their own.

The entire second floor of The Her-ald building on the corner of Pioneer, plaza and San Francisco street has been leased for the new home, and plasterers, carpenters and other workmen will begin Monday morning pre-paring it for their occupancy.

The action was taken at a meeting of the dam Friday evening, when Harry Swain, chairman of the home committee, presented the unanimous re-port of the committee. The dam acted upon it unanimously and a lease was ordered drawn for three and a half years from January 1. The floor space to be occupied by the quarters is 4000 square feet and the arrange-ment of the club will include a lodge room, parlor, a reading room, two or three billiard rooms, a buffet and ante rooms, etc.

The quarters have a balcony running completely around them outside, both on the San Francisco street and the plaza side, and all rooms are outside rooms, with big Prench windows reaching to the floor. There is elevator service and steam heat in the building, and it is in the very heart of the city was a service. the city, more so than any other club quarters in the town, except those of the Progress club. As a restaurant is soon to be established in the base-ment of The Herald building, the club will be in position to have its members given a cafe with a dumbwaiter from the basement

supply the fuel demands not only of

our warships, but of the American merchant marine and industries as well. When the Panama canal is fin-

ished, and that is about five years

hence, the cost of operating steamship

lines will be the great problem. At

the present time, by the use of oil

instead of coal a ship can save twice

A NEW RESIDENCE SECTION

R. L. Dorbandt Decides to Sub-Divide

His Valley Gate Tract Into 5-Acre

Residence Plots.

tunity to purchase a 5-acre home plot

down the valuey at practically the same

is only six miles below El Paso and the

valley. This tract faces on the county

road. A building line has already been

established, and will be carried out throughout the entire tract. The 5-acre

home plots are 150 feet wide by 1500

feet deep. It is understood that they

will be put on the market soon at the

third cash and balance on easy terms,

If you are interested in having a home

down the valley, and you certainly are,

ANGELUS CHANGES HANDS.

aging the Angelus Hotel for the past

two year, and Mr. Henry Holman,

who came here recently from Fayette-

ville, Tenn., have leased the Angelus

The hotel has recently been thor-

oughly remodeled, being newly painted,

Each of the 100 rooms has hot and cold

papered and refurnished completely.

water, steam heat and a telephone. Many of them havng private connect-

ing baths. A complete vacuum cleaning

system has been installed; an all night

electric elevator service is maintained

and Spanish speaking attendants are

provided. Dining rooms, buffets, thea-

ters are easily accessible in the same

C. F. Knoblauch, who has been man-

Dorbandt in the Stevens Bldg.

attractive price of \$350 an acre, one-

first desirable building sites down the

El Paso people now have an oppor-

New York to San Francisco.

the freight charges in a voyage from The quarters include those occupied for several months by the Y. W. C. A. and all others on the same floor of The Herald building. Considerable of the interior of the building, only put in recently, is to be torn out so that the rooms may be remodeled and arranged for the purposes to which they will be put. This work will begin Monday morning, and it may be possible that the members will take their price they would pay for an El Paso Christmas eggnog in their own home; building site. The Valley Gate tract if not, they are confident that they can hold their New Year reception in the place

Fortythree new members were elected into the order at the meeting Friday evening, bringing the membership up to almost 300. The dam will continue to meet in

the Fraternal Brotherhood hall each Priday evening until the quarters in The Herald building are complete and on next Friday evening 50 candidates will be obligated, including a few charter members who have not yet taken the obligation.

The first donation for the new home came from R. H. Thorne, past president, who presented the dam with a siik American flag and received a vote of thanks for his generosity. Many of the members expressed a desire to be allowed to donate furnishings for the new club home. The dam was so well pleased with

the work of the home committee that it tendered a vote of thanks to the members on their selection of the for a number of years, taking control place.

> BEAUTIFUL ELECTRICAL FIXTURES The El Paso Electrical Supply Co., Myrtle and Campbell Sts., Now Ready With an Attractive Stock.

At the corner of Myrtle and Campbell streets, the El Paso Electrical Supply owned and operated by Mr. J. B. Binkley, has put in one of the finest and most beautiful stocks of electrical fixtures you would care to see, Everything known to the electrical world is there and builders of buildings will With all its modern and up-to-date find it to their advantage to inspect conveniences, central location and ac- the stock. Mr. Binkley, the proprietor, cessibility to all street car lines and the Union Depot and the present man-agement exerting every effort for the it all from first to last He is ever comfort of the guests, the Angelus can ready to show his superb stock, give now be truly regarded as one of El you all the advantage of his perfect electricai knowledge.

no better or more desirable C. W. Gelger packed and shipped the electrical fixtures in the southwest and household goods of Mr. J. H. Wench, being owned by an electrical expert, who recently moved to Laredo, Texas, those desiring to fit up their building to engage in the drug business there. should see it and talk with Mr. Binkley.

TRACK LAYING TO DAMSITE COMMENCES

Las Cruces, N. M., Dec. 3,-The Atchison, Topeka & Santa Fe railway company has commenced the laying of the rails and ties on the branch line vacant you are entitled to it. If there from Junction to the site of the Elephant Butte dam, the work train for that purpose arriving on Thursday,

The work will be rushed right through in order that the government can commence hauling at once the necessary materials and machinery for the

The fact that work is to be commenced within a short time upon the dam has caused quite an influx of people into the towns of Cutter and Engle, at least one new family moving into one or the other of these